



IFWO

## RAW SEQUENCE LISTING

DATE: 08/30/2004

PATENT APPLICATION: US/10/770,117

TIME: 14:49:22

Input Set : N:\Crf3\RULE60\10770117.raw.txt

Output Set: N:\CRF4\08302004\J770117.raw

1 <110> APPLICANT: The Government of the United States, as represented by the  
 2 Secretary, Dept. of  
 3 Health and Human Services  
 4 Berzofsky, Jay A.  
 5 Sarobe, Pablo  
 6 Pendleton, C. David  
 7 Feinstone, Stephen M.  
 8 Arichi, Tatsumi  
 9 Major, Marian E.

10 &lt;120&gt; TITLE OF INVENTION: MODIFIED HCV PEPTIDE VACCINES

11 &lt;130&gt; FILE REFERENCE: 14014.0347/P

12 &lt;140&gt; CURRENT APPLICATION NUMBER: US/10/770,117

13 &lt;141&gt; CURRENT FILING DATE: 2004-02-02

14 &lt;150&gt; PRIOR APPLICATION NUMBER: US/09/763,260

15 &lt;151&gt; PRIOR FILING DATE: 2001-10-19

17 &lt;150&gt; PRIOR APPLICATION NUMBER: 60/097,446

18 &lt;151&gt; PRIOR FILING DATE: 1998-08-21

19 &lt;160&gt; NUMBER OF SEQ ID NOS: 8

20 &lt;170&gt; SOFTWARE: FastSEQ for Windows Version 3.0

22 &lt;210&gt; SEQ ID NO: 1

23 &lt;211&gt; LENGTH: 9

24 &lt;212&gt; TYPE: PRT

25 &lt;213&gt; ORGANISM: Artificial Sequence

26 &lt;220&gt; FEATURE:

27 <223> OTHER INFORMATION: Description of Artificial Sequence:/Note =  
 28 synthetic construct

29 &lt;400&gt; SEQUENCE: 1

30 Asp Leu Met Gly Tyr Ile Pro Ala Val

31 1 5

33 &lt;210&gt; SEQ ID NO: 2

34 &lt;211&gt; LENGTH: 191

35 &lt;212&gt; TYPE: PRT

36 &lt;213&gt; ORGANISM: Artificial Sequence

37 &lt;220&gt; FEATURE:

38 <223> OTHER INFORMATION: Description of Artificial Sequence:/Note =  
 39 synthetic construct

40 &lt;400&gt; SEQUENCE: 2

41 Met Ser Thr Asn Pro Lys Pro Gln Lys Lys Asn Lys Arg Asn Thr Asn

42 1 5 10 15

43 Arg Arg Pro Gln Asp Val Lys Phe Pro Gly Gly Gly Gln Ile Val Gly

44 20 25 30

45 Gly Val Tyr Leu Leu Pro Arg Arg Gly Pro Arg Leu Gly Val Arg Ala

46 35 40 45



## RAW SEQUENCE LISTING

DATE: 08/30/2004

PATENT APPLICATION: US/10/770,117

TIME: 14:49:22

Input Set : N:\Crf3\RULE60\10770117.raw.txt

Output Set: N:\CRF4\08302004\J770117.raw

```

47      Thr Arg Lys Thr Ser Glu Arg Ser Gln Pro Arg Gly Arg Arg Gln Pro
48      50                      55                      60
49      Ile Pro Lys Ala Arg Arg Pro Glu Gly Arg Thr Trp Ala Gln Pro Gly
50      65                      70                      75                      80
51      Tyr Pro Trp Pro Leu Tyr Gly Asn Glu Gly Cys Gly Trp Ala Gly Trp
52                      85                      90                      95
53      Leu Leu Ser Pro Arg Gly Ser Arg Pro Ser Trp Gly Pro Thr Asp Pro
54                      100                      105                      110
55      Arg Arg Arg Ser Arg Asn Leu Gly Lys Val Ile Asp Thr Leu Thr Cys
56                      115                      120                      125
57      Gly Phe Ala Asp Leu Met Gly Tyr Ile Pro Ala Val Gly Ala Pro Leu
58                      130                      135                      140
59      Gly Gly Ala Ala Arg Ala Leu Ala His Gly Val Arg Val Leu Glu Asp
60      145                      150                      155                      160
61      Gly Val Asn Tyr Ala Thr Gly Asn Leu Pro Gly Cys Ser Phe Ser Ile
62                      165                      170                      175
63      Phe Leu Leu Ala Leu Leu Ser Cys Leu Thr Val Pro Ala Ser Ala
64                      180                      185                      190
66 <210> SEQ ID NO: 3
67 <211> LENGTH: 9
68 <212> TYPE: PRT
69 <213> ORGANISM: Artificial Sequence
70 <220> FEATURE:
71 <223> OTHER INFORMATION: Description of Artificial Sequence:/Note =
72      synthetic construct
73 <400> SEQUENCE: 3
74      Asp Leu Met Gly Tyr Ile Pro Leu Val
75      1                      5
77 <210> SEQ ID NO: 4
78 <211> LENGTH: 191
79 <212> TYPE: PRT
80 <213> ORGANISM: Artificial Sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: Description of Artificial Sequence:/Note =
83      synthetic construct
84 <400> SEQUENCE: 4
85      Met Ser Thr Asn Pro Lys Pro Gln Lys Lys Asn Lys Arg Asn Thr Asn
86      1                      5                      10                      15
87      Arg Arg Pro Gln Asp Val Lys Phe Pro Gly Gly Gly Gln Ile Val Gly
88                      20                      25                      30
89      Gly Val Tyr Leu Leu Pro Arg Arg Gly Pro Arg Leu Gly Val Arg Ala
90      35                      40                      45
91      Thr Arg Lys Thr Ser Glu Arg Ser Gln Pro Arg Gly Arg Arg Gln Pro
92      50                      55                      60
93      Ile Pro Lys Ala Arg Arg Pro Glu Gly Arg Thr Trp Ala Gln Pro Gly
94      65                      70                      75                      80
95      Tyr Pro Trp Pro Leu Tyr Gly Asn Glu Gly Cys Gly Trp Ala Gly Trp
96                      85                      90                      95
97      Leu Leu Ser Pro Arg Gly Ser Arg Pro Ser Trp Gly Pro Thr Asp Pro

```

## RAW SEQUENCE LISTING

DATE: 08/30/2004

PATENT APPLICATION: US/10/770,117

TIME: 14:49:22

Input Set : N:\Crf3\RULE60\10770117.raw.txt

Output Set: N:\CRF4\08302004\J770117.raw

```

98          100          105          110
99  Arg Arg Arg Ser Arg Asn Leu Gly Lys Val Ile Asp Thr Leu Thr Cys
100          115          120          125
101  Gly Phe Ala Asp Leu Met Gly Tyr Ile Pro Leu Val Gly Ala Pro Leu
102          130          135          140
103  Gly Gly Ala Ala Arg Ala Leu Ala His Gly Val Arg Val Leu Glu Asp
104  145          150          155          160
105  Gly Val Asn Tyr Ala Thr Gly Asn Leu Pro Gly Cys Ser Phe Ser Ile
106          165          170          175
107  Phe Leu Leu Ala Leu Leu Ser Cys Leu Thr Val Pro Ala Ser Ala
108          180          185          190
110 <210> SEQ ID NO: 5
111 <211> LENGTH: 23
112 <212> TYPE: DNA
113 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: Description of Artificial Sequence:/Note =
116     synthetic construct
117 <400> SEQUENCE: 5
118     tcatggggta cataccggcg gtc
120 <210> SEQ ID NO: 6
121 <211> LENGTH: 23
122 <212> TYPE: DNA
123 <213> ORGANISM: Artificial Sequence
124 <220> FEATURE:
125 <223> OTHER INFORMATION: Description of Artificial Sequence:/Note =
126     synthetic construct
127 <400> SEQUENCE: 6
128     tccaagaggg gcgccgaccg ccg
130 <210> SEQ ID NO: 7
131 <211> LENGTH: 21
132 <212> TYPE: DNA
133 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: Description of Artificial Sequence:/Note =
136     synthetic construct
137 <400> SEQUENCE: 7
138     aagactgcta gccgagtagt g
140 <210> SEQ ID NO: 8
141 <211> LENGTH: 20
142 <212> TYPE: DNA
143 <213> ORGANISM: Artificial Sequence
144 <220> FEATURE:
145 <223> OTHER INFORMATION: Description of Artificial Sequence:/Note =
146     synthetic construct
147 <400> SEQUENCE: 8
148     cacaatactc gagttagggc

```

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/770,117

DATE: 08/30/2004  
TIME: 14:49:23

Input Set : N:\Crf3\RULE60\10770117.raw.txt  
Output Set: N:\CRF4\08302004\J770117.raw

Invalid Line Length:

These rules require that a line not exceed 72 characters in length. This includes spaces.

q#:5; Line(s) 118  
q#:6; Line(s) 128  
q#:7; Line(s) 138  
q#:8; Line(s) 148

**VERIFICATION SUMMARY**

DATE: 08/30/2004

PATENT APPLICATION: US/10/770,117

TIME: 14:49:23

Input Set : N:\Crf3\RULE60\10770117.raw.txt

Output Set: N:\CRF4\08302004\J770117.raw